Compilation of Space

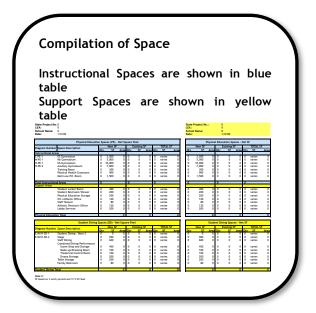
Introduction

During the development of the *Connecticut School Construction Standards and Guidelines*, extensive research was conducted into existing state and national instructional and support space size standards. It was determined that the size of the instructional spaces included in this Compilation of Space was the appropriate size to accommodate current and future student needs, project based delivery, children with disabilities, and multiple program delivery methods for twenty-five (25) students. Additionally, various administrative and building support spaces have been included for consideration when developing a building plan.

Development of the Compilation of Space should begin with a thorough understanding of current and future student instructional needs. LEAs are encouraged to consider contracting with a Design Professional whose function will be to assist the district and its stakeholders in developing/reviewing its educational mission, goals, and vision and then communicating that vision to the design team. This process should include administration, staff, students and interested community members.

After the highest projected enrollment report is complete, the number of students projected for each grade level is entered to determine the Maximum Reimbursable Gross Square Feet. The number of required instructional spaces is developed which guides the LEA and Design Professional in the selection of spaces.

Instructional Spaces (shown in blue tables) refer to spaces in: Academic Core, Special Education, Visual Arts, Music, Performing Arts, Career Technical Education, and Physical Education. All other spaces are considered to be Support Spaces (shown in yellow tables). Square-foot allocations may be moved from Support areas to Instructional areas, but not vice versa. Square footage shown for Instructional spaces represents the minimum size. However, a deviation in the size of instructional spaces of up to 10% plus or minus is allowed to accommodate variations in space layouts, including the addition of small group rooms or extended learning areas. Support space sizes may be changed, however, the maximum reimbursable gross square footage shall not be exceeded.



Measurement and Area Calculations for Building Spaces

Classrooms and other instructional spaces are sized to be flexible and adaptable to curricula of the future. Support areas, circulation, and building services are appropriately sized to support a range of design solutions. The following spaces shall be measured as indicated below when evaluating design solutions for compliance with the Compilation of Space:

Corridors: Stairs, ramps, and elevators shall be included in the Compilation of Space as Corridor area.

Stairs: Stair area shall be calculated as one hundred percent (100%) on the ground floor and fifty-percent (50%) on elevated floors. Area shall be calculated based on the total area inside the stair enclosure walls.

Elevators: Elevators shall be calculated as one hundred percent (100%) on the ground floor and zero percent (0%) on elevated floors.

Overhangs: Overhangs located at building entrances and exits do not count as area. Interior balconies are generally counted as circulation space.

Total Net Square Footage of a Room: Calculated as the measurement of the interior area, excluding the wall thickness. Measurements are taken from the inside face of the walls.

Total Gross Square Footage of the School Building: For the purpose of the computation of space calculations occurring in this chapter, total gross square footage is measured to the exterior face of the exterior walls.

Mechanical Equipment Space: Includes "traditional" mechanical equipment rooms and an elevated "walkable" space for mechanical equipment and its servicing. "Vaults" associated with mechanical systems are counted as mechanical room square footage.

The Compilation of Space is an inter-active spread sheet designed for the selection of instructional and support spaces. The active spreadsheet can be found on the Office of School Construction Grants & Review website.

Office of School Construction Grants &

Review

Phone: 860-713-6480 Fax: 860-713-7020

Website: CT.GOV and search Office of School

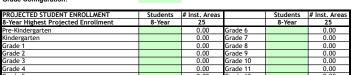
Construction Grants & Review

5000 Compilation of Space

State Project Number: Local Educational Agency: School Name: Date:

Grade Configuration:

Total Student Enrollment



SF/Student REIMBURSEABLE SQUARE FOOTAGE SF/student Total Students Note 2 SF/Student - Elementary School SF/Student - Middle School SF/ Student - High School Maximum Reimburseable Gross Square Feet

·							Plan Re	view	
PROGRAM AREAS	New	Exist SF	Total SF	# Instr Area		New	Exist SF	Total SF	# Instr Area
Academic Core	0	0	0	0	Note 4	0	0	0	0
Special Education	0	0	0			0	0	0	
Administration	0	0	0			0	0	0	
Media Center	0	0	0			0	0	0	
Visual Arts	0	0	0	0		0	0	0	0
Music	0	0	0	0		0	0	0	0
Performing Arts / Auditorium	0	0	0	0		0	0	0	0
Life Skills/Tech/Bus Education	0	0	0	0		0	0	0	0
Physical Education	0	0	0	0		0	0	0	0
Student Dining	0	0	0			0	0	0	
Food Service	0	0	0			0	0	0	
Custodial	0	0	0			0	0	0	
Subtotal - Net Square Feet	0	0	0	0		0	0	0	0
Building Services	0	0	0			0	0	0	
Subtotal - Net SF including Building Service	0	0	0			0	0	0	
Construction Factor	0.11	0.11	0.11			0.11	0.11	0.11	
Total Gross SF Programmed	0	0	0			0	0	0	

0,00

Note 5

NOTES

Note 1: Cell F17 indicates the minimum number of total instructional areas to be provided. Value shall be rounded up.

Difference Between Maximum Gross SF and Gross SF Programmed 0

Note 2: Values shown in cells F20-22 indicated the range of square foot per student based on the number of total students. Schools with larger enrollments will have fewer square feet per student.

Note 3: Cell D23 indicates the total gross square footage of the new or renovated building.

Note 4: The minimum number of instructional areas within the Academic Core area for Elementary Schools will be 100% of total. The minimum number of instructional areas Middle & High school Academic Core areas should be >= 67% of total.

Note 5: Cell D46 indicates the difference between the Maximum Reimburseable Gross Square Footage and the Total Gross Sqare Feet Programmed. A negative number indicates additional SF can be added to the progam. A positive number is SF that is not state funded.

Connecticut School Construction Standards and Guidelines July 18, 2016

5000 Compilation of Space State Project No. 0 LEA: 0 School Name: 0 Date: 1/0/00 State Project No.: LEA: School Name: Date: Academic Core Spaces (AC) - Net Square Feet Academic Core Spaces - Net SF Existing SF ty SF A Existing SF v SF A TOTAL SF SF Diagram Number Space Description PreK-K Classroom
Kindergarten Classroom
ES Classroom - Grades 1-5
MS Classrooms - Grades 6-8
MS Classrooms - Grades 9-12
Science Classroom - General/Ph
Science Classroom - Chemistry
Science Classroom - Biology
Applications Lab 1,200 1,200 900 900 900 1,200 1,200 1,200 1,000 varies PreK-K Restrooms Teacher Prep Workroom Staff Restroom Instructional Material Storage Small Group Room Science Prep varies varies varies varies varies varies 60 300 60 200 150 300 60 300 60 200 150 300 -AC-4 Existing SF Space Description Diagram Number as - Not Counted in Total Instru Self-contained Classroom Special Education/Resource Small Self-contained Classroon OT/PT Room Workroom/Conference Restroom/Shower ty SF nal Space Co 900 450 600 200 150 100 varies varies varies varies varies varies 900 450 600 200 150 100 Connecticut School Construction Standards and Guidelines July $18,\,2016$

5000 Compilation of Space State Project No. 0 LEA: 0 School Name: 0 State Project No.: LEA: School Name: 1/0/00 1/0/00 Space Description

Reception Area
Secretarial Area
Principal's Office
Assistant Principal's Office
Guidance Counselor's Office
Career Center
Itinerant Personnel Office
Security Office
Parent/Volunteer Room
School Store
Health Clinic (incl. RR)
In-school Suspension
Conference Room
Mail/Work/Copy Room
Admin/ Guidance Storage
Vault/Records Storage
Restroom 200 200 150 120 200 120 120 200 200 350 400 250 200 150 80 60 200 200 150 120 120 200 120 200 200 350 400 250 200 150 80 60 varies /M/H-AC-1 agram Number Space Description Reading Room/Circulation - N Multimedia Production Room Conference Room Media Specialist Office Workroom/Storage Main Server Room [MS] varies varies varies varies varies varies 200 200 120 150 150 Visual Arts Spaces (VA) - Net So TOTAL SF SF Existing SF Qty SF A Existing SF y SF Are agram Number Space Description ES Art Room MS Art Room HS Art Room 1,200 1,400 1,500 1,200 1,400 1,500 Kiln/Ceramic Storage Art Material Storage Note 1: SF based on 10% of student enrollment x 35 SF/Student ticut School Construction Standards and Guidelines July 18, 2016

5000 Compilation of Space | State Project No. 0 | LEA: 0 | School Name: 0 | Date: 1/0/00 State Project No.: LEA: School Name: Date: Music Spaces (MU) - Net Square Feet Music Spaces - Net SF Diagram Number Space Description ES Music Room MS Instrumental/Band Room HS Instrumental/Band Room Vocal Room E-MU-1 M-MU-1 H-MU-1 M/H-MU-2 Music Library/Storage Music Office Instrument Storage Uniform Storage Ensemble Room Practice Room 120 350 200 200 80 120 350 200 200 80 Music Total Performing Arts Spaces (PA)/ Auditorium - Net Square Feet Performing Arts Spaces - Auditorium - Net SF TOTAL SF SF New SF SF Existing SF Area Qty SF A New SF SF Existing SF y SF Area Auditorium - Note 1 Orchestra Pit Stage Area (includes Wings) Scene Shop Storage Make-up/Dressing Room Green Room Costume Storage Control Room Lobby/Concessions/Gallery Ticket Booth Storage Theater/Drama Office 1,200 200 200 200 100 100 80 200 120 1,200 200 200 200 100 100 80 200 120 Note 1: Auditorium SF is based on 50% of the student enrollment. Career Technical Education Spaces - Net SF Career Technical Education Spaces (AC) - Net Square Feet Existing SF Diagram Number Space Description Existing SF nstructional Areas
//M/H-AC-3 Applications Lab Total Instructional Areas 120 Connecticut School Construction Standards and Guidelines July 18, 2016

5000 Compilation of Space
 State Project No. 0

 LEA:
 0

 School Name:
 0

 Date:
 1/0/00
 State Project No.: LEA: School Name: Date: 0 Physical Education Spaces (PE) - Net Square Feet Physical Education Spaces - Net SF Diagram Number Space Description Existing SF ty SF Are as ES Gymnasium MS Gymnasium HS Gymnasium Auxilary Gymnaisum Training Room Physical Health Classroom Multi-use P.E. Room 2,500 5,000 10,000 7,000 300 900 1,500 2,500 5,000 10,000 7,000 300 900 1,500 Total Instructional Areas Student Locker Room Student Restroom/Shower Physical Education Storage P.E./Athletic Office Staff Shower Athletic Director's Office Lobby Services 400 200 200 120 80 120 200 r Space Description
Student Dining - Note 2
Stage
Staff Dining
Combined Dining/Performance
Scene Shop and Storage
Make-up/Dressing Room
Theatrical Control Room
Drama Storage
Family Restroom 900 600 varies 450 100 100 200 200 80 Note 2: SF based on 3 lunch periods and 17.5 SF/Seat Connecticut School Construction Standards and Guidelines July 18, 2016 $\,$

State Project No.								
Diagram Number Space Description New SF Existing SF TOTAL SF	LEA: School Name:	0				LEA: School Name:	0 0	
Warming Kitchen	Diagram Numbe		New SF	Existing SF			Existing SF	TOTAL SF
E/M/H-FS-1 Preparation Area 0 0 0 0 0 0 0 0 0		Warming Kitchen						
E/M/H-FS-1 Dry Food Storage O O O O O O O O O	E/M/H-FS-1	Preparation Area		0 0 0 0				
E/M/H-FS-1 Ware Washing O O O O O O O O O	E/M/H-FS-1	Dry Food Storage	0 0 0	0 0 0 0	varies 0	0 0	0 0 0	0 0 varies 0
Custodial Spaces (CU) - Net Square Feet		Ware Washing	0 0 0	0 0 0 0	varies 0	0 0	0 0 0	0 0 varies 0
Custodial Spaces (CU) - Net Square Feet		Dietician Office Restroom/Locker Rm	0 75 0 0 140 0	0 0 0 0		0 75 0 140	0 0 0	
New SF	Food Service To	tal	0	0	0		0	0
Custodial Office O O O O O O O O O					TOTAL CE	N		_
Morkroom 0 200 0 0 0 0 0 0 0	Diagram Numbe	r Space Description				Qty SF		
Building Services Spaces (BS) - Net Square Feet Building Services Spaces - Net SF		Workroom Custodial Office	0 200 0 0 100 0	0 0 0 0	varies 0	0 200 0 100		0 0 varies 0 0 0 varies 0
New SF Existing SF TOTAL SF Clty SF Area Clty	Custodial Total		0	0	0		0	0
Object O		Building Service	es Spaces (BS) - Net Sq	uare Feet		В	Building Services Spaces -	Net SF
E/M/H-BS-1 Large Group Restrooms 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Diagram Numbe	r Space Description					-	
E/M/H-BS-2 Corridors	E/M/H-BS-1	Large Group Restrooms Custodial Closet	0 0 0	0 0 0 0	varies 0		0 0 0	0 0 varies 0 0 0 varies 0
E/M/H-BS-2 Corridors		Electrical Closet	0 64 0	0 0 0 0	varies 0	0 50 0 64	0 0 0	0 0 varies 0
Mechanical/Electrical Space/Dec 0 <t< td=""><td>E/M/H-BS-2</td><td>Corridors</td><td>0 0 0</td><td>0 0 0 0</td><td>varies 0</td><td>0 0</td><td>0 0 0</td><td>0 0 varies 0 0 0 varies 0</td></t<>	E/M/H-BS-2	Corridors	0 0 0	0 0 0 0	varies 0	0 0	0 0 0	0 0 varies 0 0 0 varies 0
Recycling Room 0 100 0 0 0 0 0 varies 0 0 100 0 0 0 0 varies 0		Mechanical/Electrical Space/De Storage Area	c 0 0 0	0 0 0 0	varies 0	0 0 0 200	0 0 0	0 0 varies 0
Recycling Room 0 100 0 0 0 0 0 varies 0 0 100 0 0 0 0 varies 0		Central Storage Area Loading/Receiving Area	0 250 0	0 0 0 0	varies 0	0 250 0 120	0 0 0	0 0 varies 0 0 0 varies 0
		Restroom	0 60 0	0 0 0 0	varies 0	0 60 0 100	0 0 0	0 0 varies 0

5000 Compilation of Space

State Project No.:	0	
LEA:	0	
School Name:	0	
Date:	1/0/00	

			New SF			Existing SF			TOTAL SF		
Diag. No.	Space Description	Qty		Area		SF	Area	Otv	SF	Area	
Instructional .	Areas	`,			`,			`,			
	Main Pool - 25 yds x 50 meters	0	12,304	0	0	0	0	0	varies	0	
	Deck - 10 ft. side + 15 ft. ends	0	6,422	0	0	0	0	0	varies	0	
	Bleachers - 1/4 student enrollmer	0	. 0	0	0	0	0	0	varies	0	
	Fitness Room	0	2,500	0	0	0	0	0	varies	0	
	Training Room	0	300	0	0	0	0	0	varies	0	
	Classroom	0	900	0	0	0	0	0	varies	0	
	Multi-use Room	0	1,500	0	0	0	0	0	varies	0	
Total Instruct	ional Areas	0			0			0			
Support Areas											
	Locker Rooms	0	400	0	0	0	0	0	varies	0	
	Restroom/Shower	0	200	0	0	0	0	0	varies	0	
	Storage	0	200	0	0	0	0	0	varies	0	
	Office	0	120	0	0	0	0	0	varies	0	
	Staff Shower	0	80	0	0	0	0	0	varies	0	
	Concessions	0	120	0	0	0	0	0	varies	0	
	Lobby Services	0	200	0	0	0	0	0	varies	0	
Natatorium S	A Tabel	-		0	_		0	_		0	

	New SF		E:	xisting S	SF.	TOTAL SF			
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
0	12,304	0	0	0	0	0	varies	0	
0	6,422	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	2,500	0	0	0	0	0	varies	0	
0	300	0	0	0	0	0	varies	0	
0	900	0	0	0	0	0	varies	0	
0	1,500	0	0	0	0	0	varies	(
	•								
0			0			0			
0	400	0	0	0	0	0	varies	(
0	200	0	0	0	0	0	varies	(
0	200	0	0	0	0	0	varies	(
0	120	0	0	0	0	0	varies	(
0	80	0	0	0	0	0	varies	(
0	120	0	0	0	0	0	varies	(
0	200	0	0	0	0	0	varies	(
		0			0			C	

,	Space Description		New SF			Existing SF			TOTAL SF		
			SF	Area	Qty S	F	Area	Qty	SF	Are	
E/M/H-BS-1	Large Group Restrooms	0	0	0	0	0	0	0	varies	0	
	Custodial Closet	0	50	0	0	0	0	0	varies	(
	Electrical Closet	0	50	0	0	0	0	0	varies	(
	Telecommunications Room (TR)	0	64	0	0	0	0	0	varies	(
E/M/H-BS-2	Corridors	0	0	0	0	0	0	0	varies	(
	Vertical Circulation	0	0	0	0	0	0	0	varies	(
	Mechanical/Electrical Space/Deck	0	0	0	0	0	0	0	varies	(
	Storage Area	0	200	0	0	0	0	0	varies	(
	Central Storage Area	0	250	0	0	0	0	0	varies	(
	Loading/Receiving Area	0	120	0	0	0	0	0	varies	(
	Restroom	0	60	0	0	0	0	0	varies	(
	Recycling Room	0	100	0	0	0	0	0	varies	(
Building Services	Total			0			0			(

Building Services Spaces - Net SF									
	New SF	E	Existing S	F	TOTAL SF				
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
0	0	0	0	0	0	0	varies	0	
0	50	0	0	0	0	0	varies	0	
0	50	0	0	0	0	0	varies	0	
0	64	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	200	0	0	0	0	0	varies	0	
0	250	0	0	0	0	0	varies	0	
0	120	0	0	0	0	0	varies	0	
0	60	0	0	0	0	0	varies	0	
0	100	0	0	0	0	0	varies	0	
		-			-				
		0			0			0	
		0			0			0	

Note 1: Natatorium funding is based on a portion of the student enrollment. For more information contact Office of School Construction Grants and Review.

Connecticut School Construction Standards and Guidelines July 18, 2016



THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK.